** FINAL DRAFT **



Compliance Manual

for Indiana's Vehicle Maintenance Shops



Featuring...

- ✓ IDEM rules and regulations
- ✔ DOT and OSHA rules and regulations
- ✓ Fire & Building Services' information
- ✓ Waste prevention & minimization recommendations

Published by the

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Compliance and Technical Assistance Program March 1, 1998

ACKNOWLEDGEMENTS

This manual was written and developed by staff in IDEM's Compliance and Technical Assistance Program. A group of reviewers provided information and suggestions to improve the manual. IDEM appreciates the input received from the following external reviewers:

Jerry Hebert, Randy Frey, Tony Kurtz - Indiana Department of Labor, Bureau of Safety & Education Training (BuSET)

Don Arnold - Indiana Department of Transportation

Mara Snyder, Tim Callas - Indiana Department of Fire & Building Services

Nancy Reagan - Indiana Automotive Services Association, Inc.

Hartley Holte - Monroe County Solid Waste Management District

Don Seader - World Wide Automotive

Dave Ehrhard, Mike Callahan, Tom Frantz - Safety-Kleen

Joel Haul - Heritage Environmental Services

Barry McConnell - Shell Oil Company

Randy Powell - Parts Guild Association

Deborah Steinkamp - Spencer County Solid Waste Management District

Mike Baker- Quality Mill Supply Co., Inc.

Mike Pitts - Indiana Petroleum Marketers & Convenience Store Association

Matt Morris - Liquid Waste Removal

Special thanks to Tom Neltner and staff throughout IDEM for their comments and advice, especially: Jim Hunt, Dave Berrey, John Crawford, Lee Parsons, Anne Remek, Mike Pennington, Scott Draschil, Lynn Newlon, Robin Feller, Cyndi Wagner, Mark Amick, Jon Bates, and Warren Greiling.

The following IDEM staff members were instrumental in developing this manual. Special thanks to:

CHERI STORMS
JOYCE VALLANCE
JOHN LOVELACE
DAVE LAWRENCE
MARK STODDARD
PAULA SMITH

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U.S. Department of Labor's Office of Training and Education Lab Safety Supply, Inc. Labelmaster General Motors Corporation

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT Compliance and Technical Assistance Program P.O. Box 6015 Indianapolis, IN 46206-6015

To obtain additional copies of this manual, call 800/451-6027, Ext. 2-8172 or 317/232-8172

For assistance, contact CTAP or the appropriate office or agency listed in Sections 1.7 and 1.8 of this manual.

Printed on 100% post-consumer content recycled paper

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Indiana Environmental Rules and Statutes books may be ordered from IDEM by using the order form available from the Fax-On-Demand system, by visiting IDEM's web site, or by calling 317/233-1044 or toll free 800/451-6027 ext. 3-1044. An order form for Indiana's OSHA regulations is also available from the Fax-On-Demand system or IDEM's web site. To obtain the Indiana Department of Fire & Building Services' regulations, call their Book Store at 317/232-6173.

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CONTENTS

	R 1—INTRODUCTION
	Vehicle Maintenance & the Environment
	IDEM's Approach to Environmental Protection
1.3	Who Should Use this Manual? Our Typical Vehicle Maintenance Shop
	The Benefits of Using This Manual
1.5	How to Use this Manual
	How to Use the Fax-On-Demand System
1.7	Whom to Call for Assistance
1.8	Other Sources of Information
СНАРТЕ	R 2—DETERMINING WHICH REGULATIONS APPLY TO YOUR SHOP
2.1	Classifying for Occupational Health and Safety Administration (OSHA) Regulations 10
2.2	Classifying for Indiana Department of Fire & Building Services Regulations
	Classifying for Department of Transportation (DOT) Regulations
	Determining Applicable Water Regulations
	Determining Applicable Air Regulations
2.6	Classifying Your Shop to Determine Its Hazardous Waste Generator Status
	A. Is Your Shop a CESQG, SQG or LQG?
	B. What is Hazardous Waste?
	C. Changing Your Hazardous Waste Classification
	D. EPA Identification Number
	E. CESQGs and Hazardous Waste Management
	F. Hazardous Wastes Generated by Vehicle Maintenance Shops
2.7	Classifying Your Shop to Determine its Special Wastes Generator Status
СНАРТЕН	R 3—MANAGEMENT REQUIREMENTS FOR HAZARDOUS MATERIALS
	AND HAZARDOUS WASTES
3.1	Hazardous Materials vs. Hazardous Wastes
3.2	Purchasing and Receiving Products That Contain Hazardous Materials
	Storing Hazardous Materials
	Storing Hazardous Wastes
	Proper Handling and Shipping of Your Hazardous Wastes
	Liability and Choosing an Environmental Services Company
	Spill Prevention & Preparedness
	In Case of a Spill
	What if You Have a Violation? Who's Liable?

CHAPTER 4 - EMERGENCY PLANS, TRAINING, RECORDKEEPING & REPORTING
4.1 OSHA Hazard Communication Standard
4.2 Other OSHA Plans
4.3 RCRA Emergency Plan
4.4 Recordkeeping
4.5 Reporting
4.6 Employee Training
CHAPTER 5 - COMPLIANCE REQUIREMENTS, WASTE PREVENTION & MINIMIZATION
Aerosol Containers
Antifreeze
Batteries (Lead Acid)
Brake & Clutch Repair
Catalytic Converters (and Emission Control Devices)
Fluorescent Light Tubes & High Intensity Discharge Lamps
Fuel & Fuel Filters
Grinding (Abrasive Wheel Machinery)
Metal Parts
Oil
Oil Filters
Refrigerants/Motor Vehicle Air Conditioning (MVAC) Service
Solvents - Introduction
Aqueous-Based
Petroleum-Based
Sorbents
Tires
Tow Trucks and Other Shop Vehicles
Wastewater From Service Bay Drains
Welding, Cutting & Brazing/Oxygen & Acetylene Tanks
Wipes
,,,pes
CHAPTER 6 - GENERAL RESPONSIBILITIES
Postings
General Work Area
Personal Protective Equipment (PPE)
Medical Services
Machinery and Tool Requirements
Air Compressors and Compressed Air
Hoists or Cranes
Lifts
Fire Prevention
Miscellaneous 148

TAB 7
ACRONYMS
GLOSSARY
TAB 8
ATTACHMENTS
Sample Vehicle Maintenance Fax-On-Demand Directory
Sample OSHA Emergency Action Plan
Sample OSHA Hazard Communication Program
Sample OSHA Lockout/Tagout Program
OSHA Personal Protective Equipment Guide
OSHA Log and Summary of Occupational Injuries and Illnesses (OSHA 200 Log)
OSHA Supplementary Record of Occupational Injuries and Illnesses (OSHA 101 Log)
Sample Material Safety Data Sheet (MSDS)
Form Letter for Obtaining a Material Safety Data Sheet (MSDS)
Chemical Inventory List
Emergency Notification
Employee Training Record
Motor Vehicle Air Conditioning (MVAC) - EPA Owner Certification Form
Uniform Hazardous Waste Manifest - Completed
Uniform Hazardous Waste Manifest - Blank
Non-Hazardous Waste Manifest - Completed
Sample Shipping Labels and Hazardous Waste Sticker
Task Responsibility Worksheet

CHAPTER 1—INTRODUCTION

1.1 VEHICLE MAINTENANCE & THE ENVIRONMENT

Protecting the health of Indiana citizens and the quality of our land, air and water is everyone's responsibility. This responsibility is especially important for organizations in our communities that handle chemicals which can be harmful to human health or the environment. Because the owners and operators of vehicle maintenance shops deal with hazardous chemicals every day, they are often on the front line of caring for the environment and the health of their employees and the surrounding community. When handled properly, hazardous chemicals can be used safely, minimizing the health and safety risk for workers and surrounding neighbors.

The Indiana Department of Environmental Management is mandated to protect public health and the environment for the State. In fulfilling its responsibility, IDEM works to establish effective regulations and then implement and enforce those regulations. IDEM encourages business and industry to implement pollution prevention and waste minimization practices. By preventing pollution, companies can gain operating flexibility, avoid civil liability, and avoid the regulatory burdens of treatment and disposal because the quantity of waste generated is reduced or because waste is simply not generated in the first place. Pollution prevention and waste minimization practices are listed in many of the "You Should" sections throughout this manual, particularly in Chapter 5.

1.2 IDEM'S APPROACH TO ENVIRONMENTAL PROTECTION

As IDEM strives to meet its mandates, its approach to environmental protection in recent years has fundamentally changed. IDEM is complementing its traditional approach of simply implementing and enforcing environmental regulations with approaches that include the aggressive use of education, partnerships, and incentives. A key step in this effort was the creation of the Compliance and Technical Assistance Program in 1994 by the Indiana General Assembly and Governor Bayh. In order to effectively provide the type of assistance that may be required by the regulated community, Indiana Code Title 13, Article 28, Chapter 3, Section 4 (IC 13-28-3-4) calls for CTAP to maintain confidentiality. Specifically, the rule reads:

Inquiries made to the program and activities and documents of the program that identify or describe an individual facility or operation are confidential, unless a clear and immediate danger to the public health or environment exists. Information concerning inquiries, activities, and documents of the program that identify or describe an individual facility or operation may not be made available for use by other divisions of the department without the consent of the person who made the inquiry, participated in the activity, or provided the document.

CTAP has grown into an innovative program that has been recognized as a national leader in small business assistance. This *Compliance Manual for Indiana's Vehicle Maintenance Shops* is a product of CTAP, in cooperation with IDEM's regulatory programs (Office of Solid and Hazardous Waste Management, Office of Air Management, Office of Environmental Response, and Office of Water Management.)

The integrated education project for vehicle maintenance shops, consists of:

- 1) the production and distribution of this compliance manual.
- 2) workshops to help vehicle maintenance shop owners and operators understand their compliance responsibilities.
- 3) special recognition through the 5-Star Environmental Recognition Program for vehicle maintenance shops that exceed their environmental mandates.
- 4) brochures designed to inform vehicle maintenance shop customers of potential environmental harm that may be caused by maintenance shop activities and of the steps that shops are taking to prevent environmental damage.

IDEM selected the vehicle maintenance industry for an integrated education project because:

- 1) there are too many businesses in this industry to effectively regulate them with a traditional approach;
- 2) although the environmental impact of each shop may be relatively minor, the industry as a whole has a profound environmental impact;
- 3) the industry uses a standard set of operations, allowing IDEM to provide guidance to a large audience;
- 4) the chemicals and pollutants generated by this industry are environmental priorities for IDEM, consistent with the Environmental Performance Partnership Agreement that IDEM has with the United States Environmental Protection Agency; and
- 5) the industry is represented by a number of associations that can effectively partner with IDEM to implement this project.

1.3 WHO SHOULD USE THIS MANUAL?

This manual is intended for owners and operators of vehicle maintenance shops that do business in Indiana. Most of these shops are small businesses—repair shops, dealerships, and brake or muffler repair shops. The compliance requirements for these shops depend on the number of people employed, the type of operations performed, the geographic location of the shop, and the type and volume of waste generated and stored on site.

In order to represent a small vehicle maintenance shop that is subject to regulations under IDEM, the federal Department of Transportation (DOT), the Indiana Department of Labor, and the Indiana Department of Fire & Building Services, IDEM has created a "typical" vehicle maintenance shop. The regulations covered in this manual apply to a shop of the size and type of our "typical" shop. Read through the following description of our "typical" shop. If your shop performs services or uses product in quantities or types not covered in this manual, contact CTAP for assistance.

OUR TYPICAL VEHICLE MAINTENANCE SHOP:

• generates the equivalent of approximately one 55-gallon drum of liquid hazardous waste per month, and is classified as a Small Quantity Generator (SQG) of hazardous waste.

Note that some shops may teeter back and forth between being a Conditionally Exempt Small Quantity Generator (CESQG) and an SQG of hazardous waste. During any month(s) that your shop is classified as an SQG, you must follow the SQG requirements. By using this manual and following the "You Should" management options listed throughout Chapter 5, your shop may move from an SQG classification to a CESQG classification. Or, if your shop is already a CESQG, you may remain in that classification even if your business grows. See Section 2.6 for more information on generator status.

- is located in a residential neighborhood, has a hydraulic lift and limited floor and storage space.
- complies with all building and fire codes, and maintains portable fire extinguishers for all employees' use.
- stores oil in drums or in an above-ground storage tank with a maximum capacity of 660 gallons. The shop stores no more than a total of 1,320 gallons of oil (new and used combined.)

If your tank has a capacity greater than 660 gallons, or if you store more than 1,320 gallons of oil, your shop must have a Spill Prevention, Containment, and Countermeasure (SPCC) plan. Refer to the Fax-On-Demand system for guidance on developing a plan or call CTAP for assistance.

If your shop has an underground storage tank (UST), the tank must be registered with IDEM, and you must follow substantial rules. For more information on USTs, you may obtain an order form for the Underground Storage Tank Guidance Manual via the Fax-On-Demand system or call CTAP for assistance. Note that both USTs and above-ground storage tanks are subject to Fire & Building Services regulations. Contact the Plan Review Division for more information.

- stores no more than 20-30 scrap tires at any given time.
 If you store more than 30 scrap tires, you must comply with scrap tire rules. Call CTAP for assistance.
- does only nominal grinding of metal surfaces, such as grinding that is necessary when turning brakes drums or disks.
- does only minor welding (e.g., to repair cracks, fill holes or weld pieces together) or uses welding torches to loosen rusted parts. However, the shop does not perform major machining, plating, or welding services.

OUR TYPICAL VEHICLE MAINTENANCE SHOP (CON'T):

has a parts washer containing a petroleum distillate based solvent. The parts washer is regularly serviced by an outside vendor (i.e., the shop does not store solvent on site.) The maximum drum size of the parts washer is 30 gallons.

If your shop stores solvents, you must not only follow IDEM's requirements, but must also follow OSHA and Fire & Building Services' storage requirements. Call OSHA's BuSET, the Plan Review Division of Fire & Building Services, or CTAP for assistance.

- does not use chlorinated solvents in quantities greater than two gallons (in buckets or parts washers) to clean parts. Similarly, our typical shop does not use any non-chlorinated solvents with a chlorinated solvent content of two percent (2%) or more. Chlorinated solvents include:
 - chlorobenzene (monochlorobenzene or benzene chloride)
 - trichloroethylene (trichloroethane, ethinyl trichloride)
 - chlorinated fluorocarbons
 - methylene chloride (dichloromethane, methylene dichloride, methylene bichloride)
 - tetrachloroethylene (perchloroethylene, ethylene tetrachloride, tetrachlorethylene)
 - 1,1,1-trichloroethane (methyl chloroform, chlorothene)

If your shop uses chlorinated solvents in quantities greater than two gallons or in concentrations of 2% or more, you must follow National Emissions Standards for Hazardous Air Pollutants (NESHAPs). Call CTAP for assistance.

does not discharge its wastewater to a septic system, storm drain, river, stream, lake or to the ground.

If you are discharging wastewater to any of these places, there are certain actions you should take with to prevent serious threats to our ground water. Call CTAP for assistance.

- does not do body work except for minor touch up (e.g., with cans of spray paint.)
 If you do body work at your shop, you must follow rules that are not covered in this manual.
 Call CTAP for assistance.
- does not wash cars.

This manual does not address car or truck washing facilities. Call CTAP for assistance.

does <u>not</u> store cars at the facility for later salvage.

This manual does not address salvage yards. Call CTAP for assistance.

does not use respirators.

Respirator use and the associated monitoring and reporting requirements are beyond the scope of this manual. Call BuSET or CTAP for assistance.

4

Our typical maintenance shop is classified as a Small Quantity Generator (SOGs) of hazardous waste.

Using this manual may help SQGs become Conditionally Exempt Small Quantity Generators (CESQGs) or may help CESQGs remain in the CESQG classification.

1.4 THE BENEFITS OF FOLLOWING THIS MANUAL

By reducing the amount of hazardous wastes generated, recycling products that would otherwise be considered be to a hazardous waste, and, by following the regulations, you can:

- reduce the amount of waste that you generate and subsequent disposal costs.
- potentially move from the Small Quantity Generator (SQG) of hazardous waste status to the Conditionally Exempt Small Quantity Generator (CESQG) status (see Section 2.6.)
- improve your market by promoting a positive environmental image to customers.
- improve worker productivity.
- decrease worker exposure to chemical hazards in the workplace.
- reduce your financial and civil liability.

Be aware that both the owner and manager of a vehicle maintenance shop share responsibility and financial liability for all environmental violations that may occur. If there is an intentional violation, or if the owner or manager knew of a past violation that was not disclosed, both may be criminally liable.

1.5 HOW TO USE THIS MANUAL

Throughout this manual, we use the word "you" to mean the owner, operator, or manager of a vehicle maintenance shop. Chapter 5 addresses the products used by vehicle maintenance shops as well as the services performed. In many of the sections throughout the manual, there are lists of things that:

- **vou must** do in order to be in compliance:
- you should do in order to improve the environmental health of your shop; and
- you should consider in order to make significant environmental improvements.

The list of options to consider typically involves up-front costs and/or innovative technology. Please pay special attention to the lists as you read through or refer back to this manual.

The majority of sections within Chapter 5 are presented in the following manner:

- ! HAZARDS & RULES
 - Base Materials Hazards and Impacts
 - Additives and Contaminants Hazards and Impacts
 - Regulatory Overview
- ! MANAGEMENT RESPONSIBILITIES
 - You Must
 - You Should
 - You Should Consider
- ! BACKGROUND ON OPTIONS TO CONSIDER

This manual covers your state and federal requirements, but does not cover local regulations. Please

be aware that your city and/or county may have additional regulations that you must follow.

1.6 HOW TO USE THE FAX-ON-DEMAND SYSTEM

Fax-On-Demand 800/726-8000

Vehicle Maintenance Directory - Document # 8350

The Fax-On-Demand System is a statewide fax service managed by the Small Business Development Center. This system provides 24-hour access to numerous environmental compliance and technical documents, fact sheets, rules, vendor lists and more. All that you need is a touch-tone phone and a fax machine to use this service. Simply call 800/726-8000 and, when prompted, enter the access code of the document you wish to receive (#8350) and your fax machine's number. You may request up to three documents per call. If you have questions or difficulty receiving your order, call 800/451-6027, ext. 3-6659 or 317/233-6659.

A sample Vehicle Maintenance Directory is located in Attachment A. Note that the Vehicle Maintenance Directory is updated on a monthly basis. Therefore, you should order a current directory so that you may review it and order any new and/or revised documents.

Note that the information available via the Fax-On-Demand system is also available on the Internet. Visit *IDEM Online* at: http://www.ai.org/idem

1.7 WHOM TO CALL FOR ASSISTANCE

If you have questions or need compliance assistance, please contact the appropriate office within IDEM or the appropriate regulatory agency. Keep in mind that CTAP offers confidentiality, but the regulatory program areas of IDEM and the other listed regulatory agencies do not.

IDEM's Compliance & Technical Assistance Program (CTAP)

100 N. Senate Avenue P.O. Box 6015 Indianapolis, IN 46206-6015 800/451-6027, ext. 2-8172 or 317/232-8172

- # Northwest Indiana Office 219/881-6720 or 888/209-8892 ext. 6720
- # Southern Indiana Office 812/923-6256
- # IDEM's Switchboard 317/232-8603 or 800/451-6027
- # **IDEM's Office of Air Management (OAM)** 800/451-6027, ext. 3-0178 or 317/233-0178
- **# IDEM's Office of Environmental Response (OER)** 800/451-6027, ext. 308-3017 or 317/308-3017

IDEM's Office of Solid & Hazardous Waste Management (OSHWM)

- # Hazardous Waste Compliance Branch 800/451-6027, ext. 2-4518 or 317/232-4518
- # Special Waste Section 800/451-6027, ext. 2-3111 or 317/232-3111

IDEM's Office of Water Management (OWM)

- # General Information 800/451-6027, ext. 2-8476 or 317/232-8476
- # Information Regarding Construction Permitting, Wastewater Treatment & Sanitary Sewers 800/451-6027, ext. 2-8645 or 317/232-8645

IDEM's Spill 24-Hour Emergency Hotline

317/233-7745 local and out-of-state or 888/233-7745 statewide (toll free)

Fax-On-Demand System 800/726-8000

Document #8350 (Vehicle Maintenance Directory - see Attachment A for a sample directory)
Document #8999 (IDEM Comprehensive Directory)

IDEM Online http://www.ai.org/idem

Provides immediate access to numerous environmental compliance and technical documents, fact sheets, rules, vendor lists and more.

EnviroLine 800/451-6027 or 317/232-8603

EnviroLine is a telephone-based information system operated by IDEM that features a number of prerecorded messages on IDEM programs, events, meetings, environmental topics, regulatory compliance and rulemaking. After calling EnviroLine, you may press "0" to be connected with an IDEM operator (during regular business hours) or remain on the line to select an EnviroLine option.

Indiana Department of Fire & Building Services

402 W. Washington St.

Indianapolis, IN 46204

- # Plan Review Division 317/232-1431
- # Fax 317/233-4892
- # Book Store 317/232-6173

Indiana Department of Labor - Bureau of Safety Education and Training (BuSET)

402 W. Washington St.

Indianapolis, IN 46204

317/232-2688

Department of Labor's web site: http://www.ai.org/labor

The Indiana Department of Labor is responsible for enforcing OSHA regulations in the state of Indiana. As a division of the Department of Labor, BuSET provides assistance to Indiana's regulated community through presentations, training programs, and site visits.

Indiana Department of Transportation (INDOT)

100 N. Senate Avenue Room N848 Indianapolis, IN 46204-2218 317/232-6787

1.8 OTHER SOURCES OF INFORMATION

- **# National Spill Response Center** 800/424-8802
- **# EPA Ozone Protection Hotline** 800/296-1996

EPA's automotive air conditioning world wide web site: http://www.epa.gov/ozone/title6/609

- # RCRA Hotline (EPA's Hazardous Waste Information Line) 800/424-9346
- **#** Local Health Department

Refer to the Fax-On-Demand directory for a listing of local health department directors.

Publicly Owned Treatment Works (POTW)

(also called "local wastewater treatment plant" or "wastewater treatment plant") Refer to the Fax-On-Demand directory for a listing of the 45 POTWs with approved wastewater pretreatment programs.

Solid Waste Management Districts

Refer to the Fax-On-Demand system for the Directory of Indiana Solid Waste Management District Directors.

Industry Associations

Refer to the Fax-On-Demand system for a listing of industry associations serving the vehicle maintenance industry.

Insurance/Worker Compensation Providers